

FIG. 2

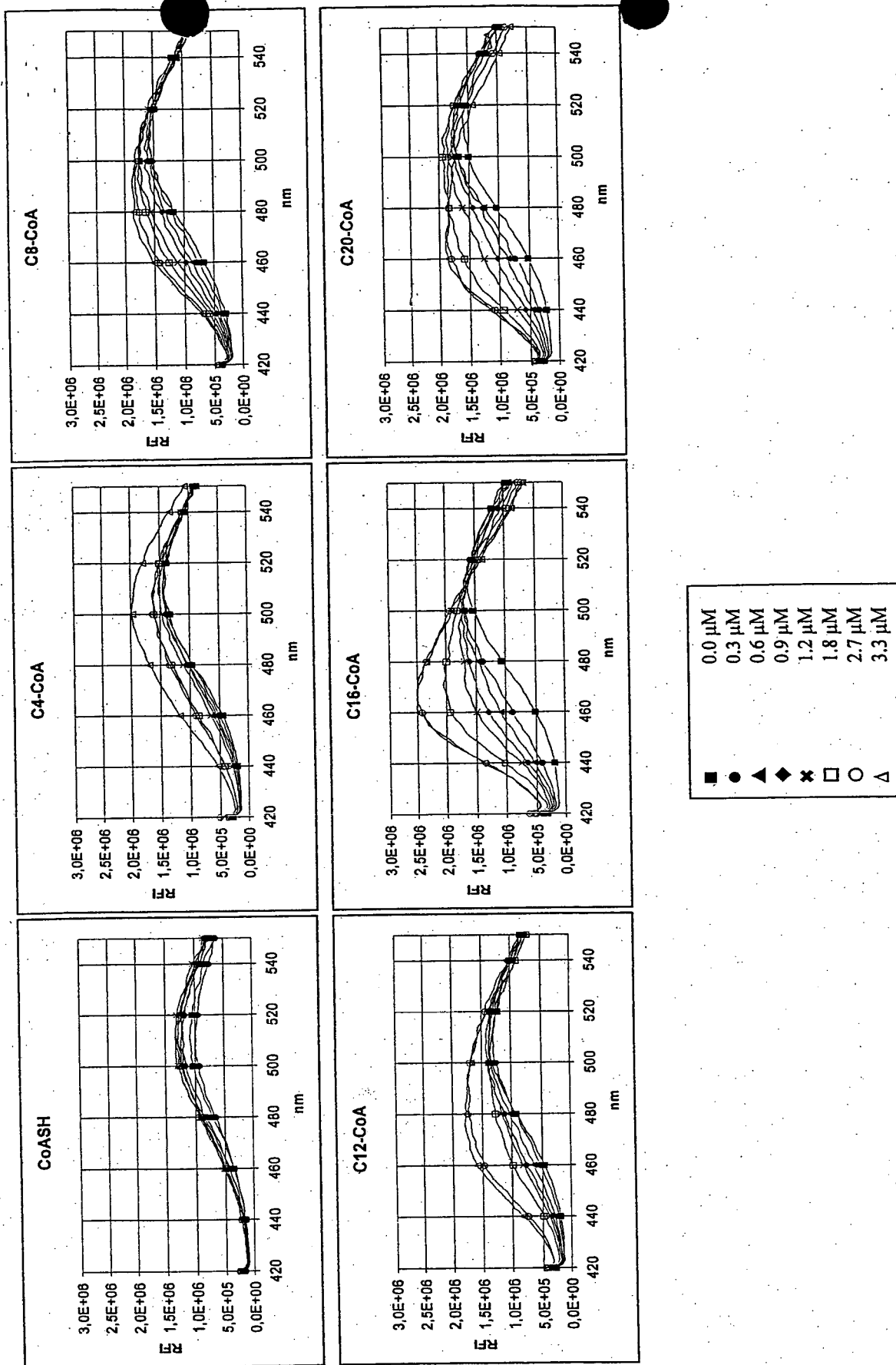


FIG. 3

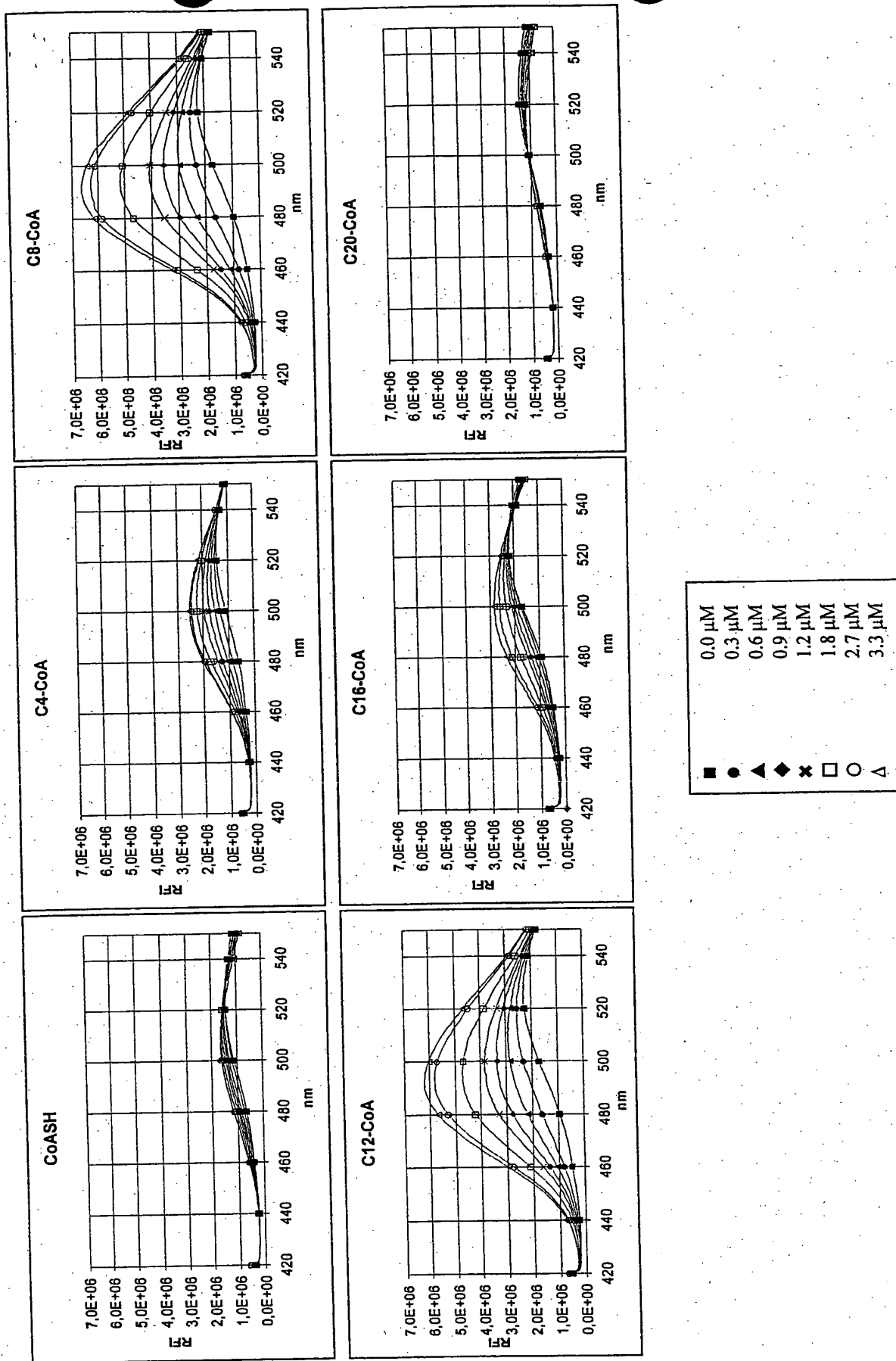
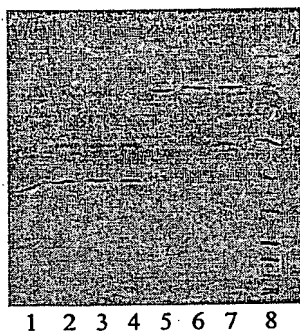


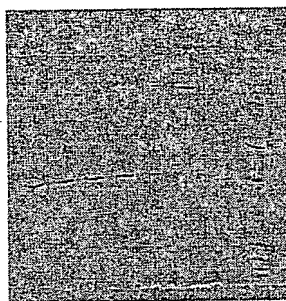
Figure 4:

(a): r-bov ACBP



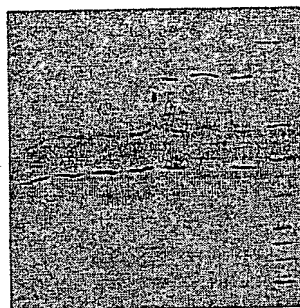
1 2 3 4 5 6 7 8

(b): A53C-badan



1 2 3 4 5 6 7 8

(c): M24C-badan



1 2 3 4 5 6 7 8

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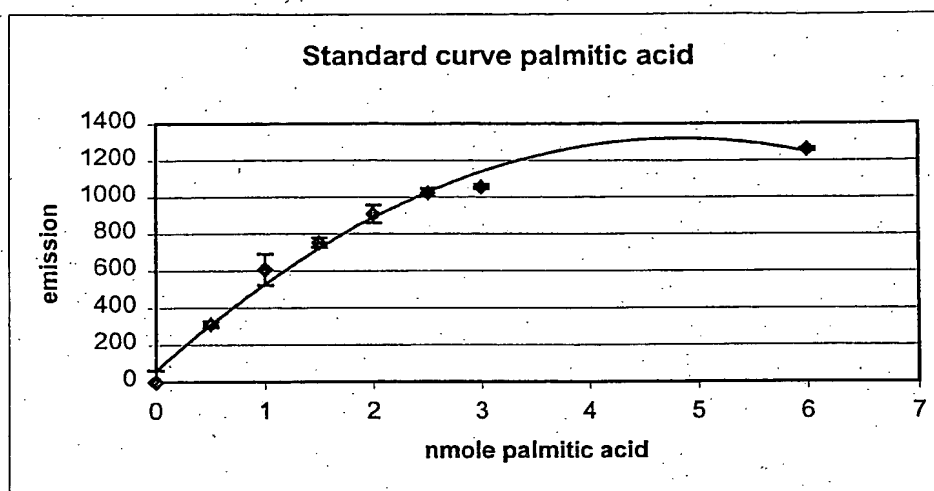


Fig. 5a.

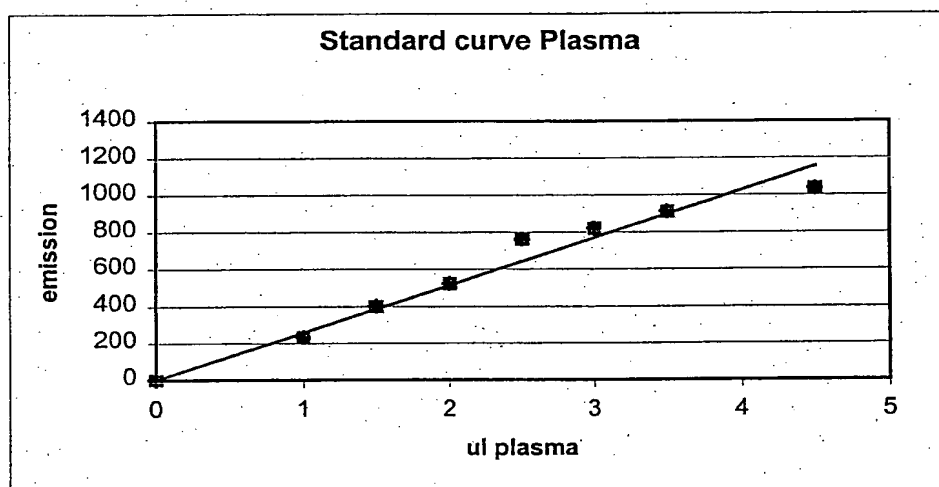
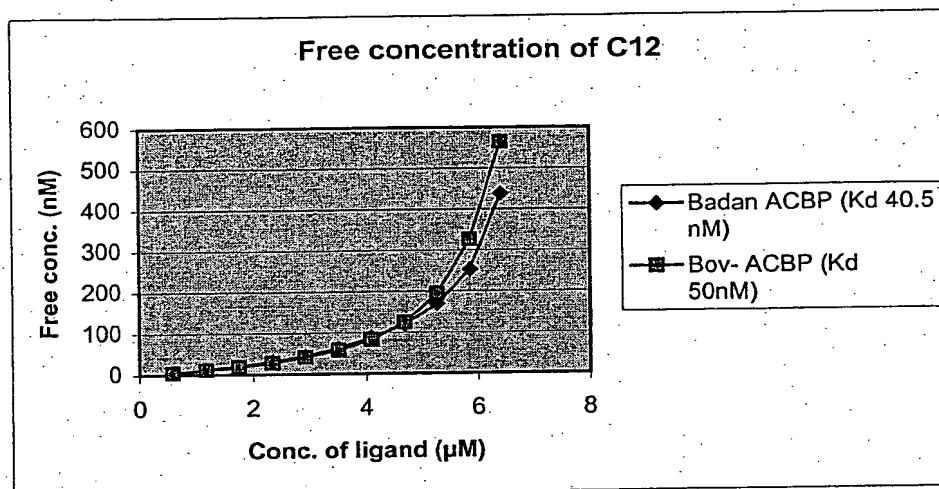


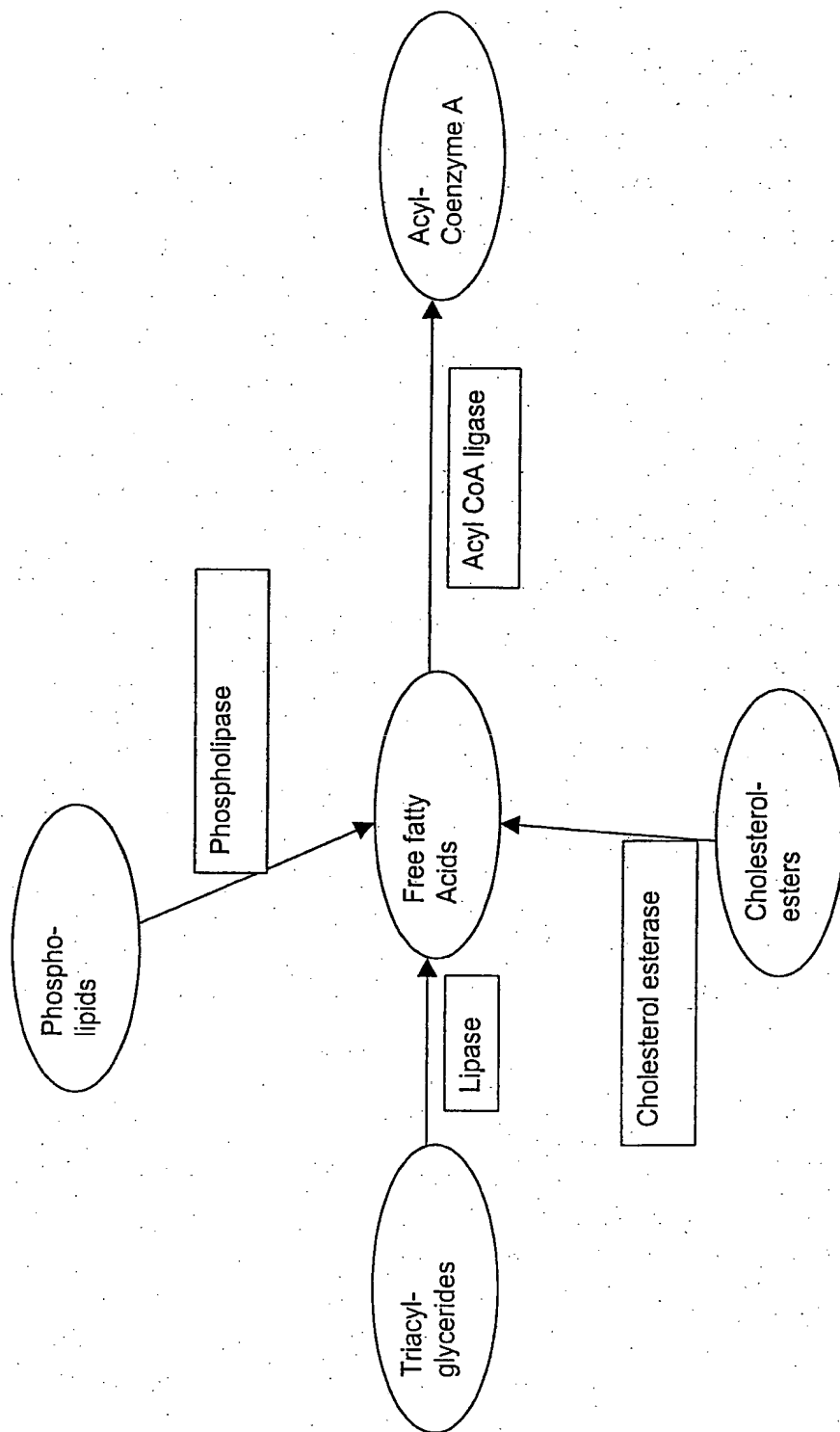
Fig. 5b.

Fig. 6



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FIG. 7



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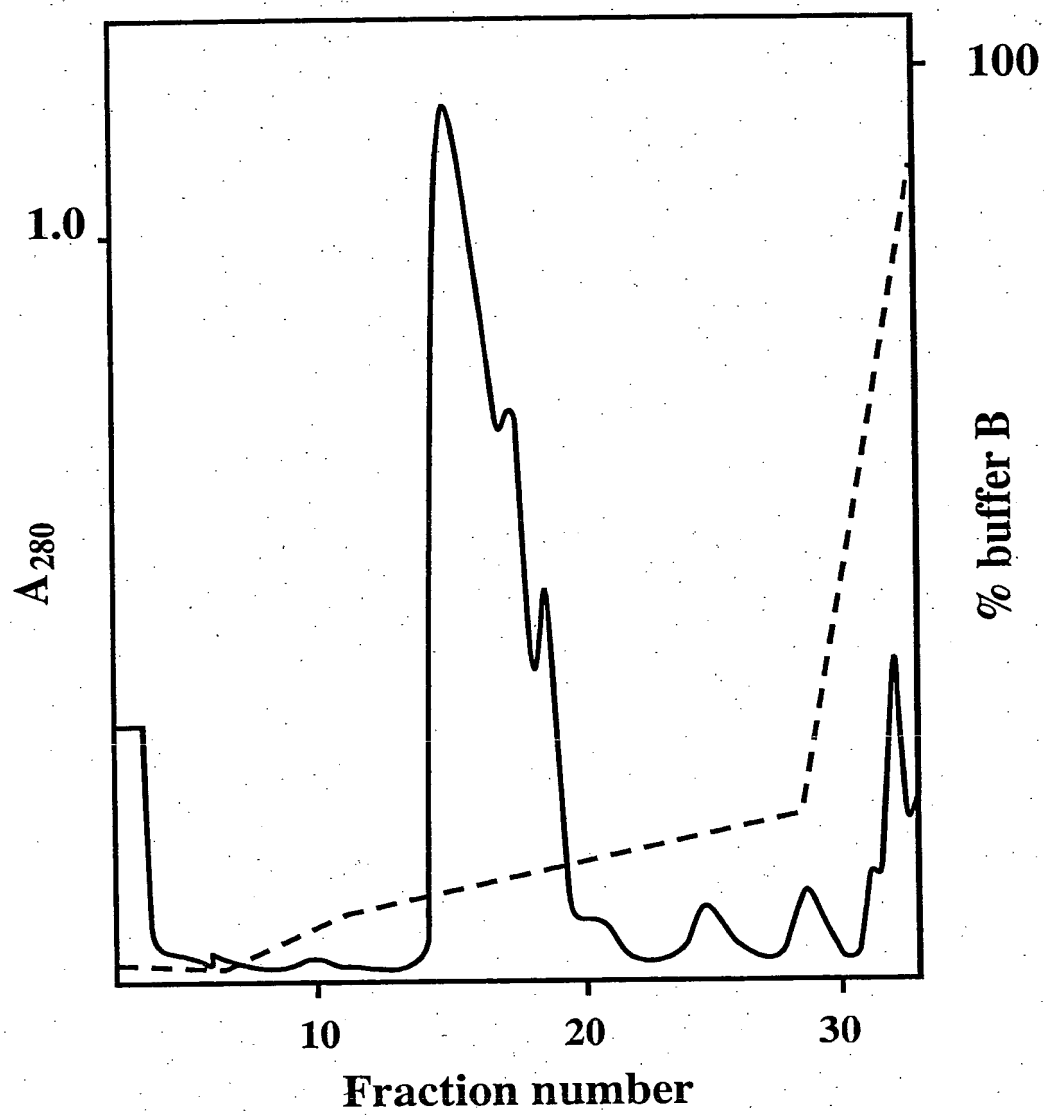


Fig. 8

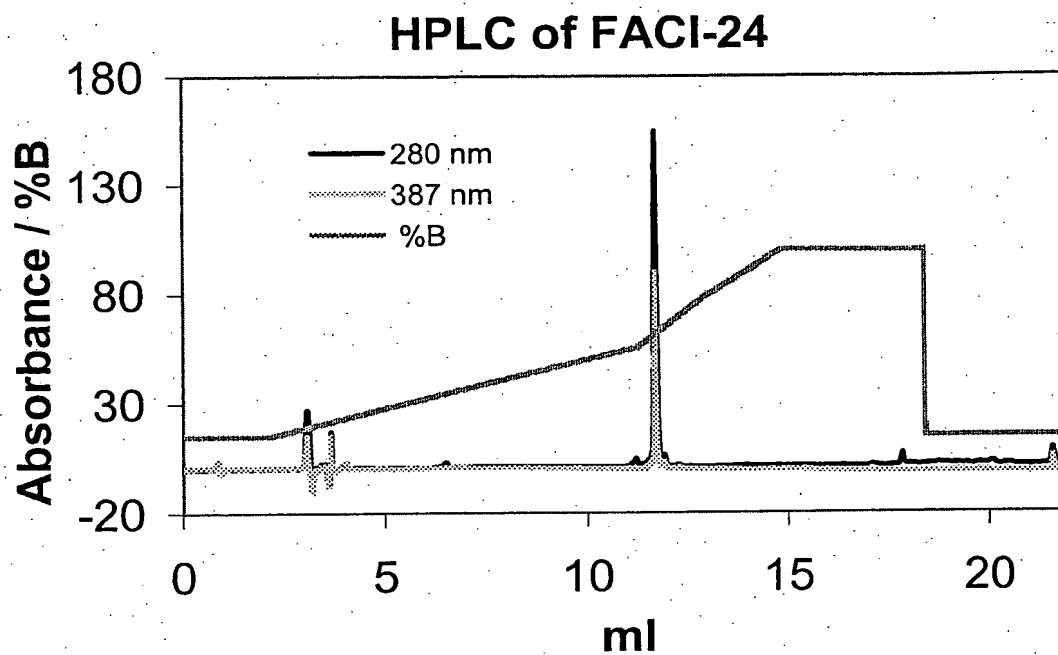


Fig. 9

FACI-24 in response to C16-CoA

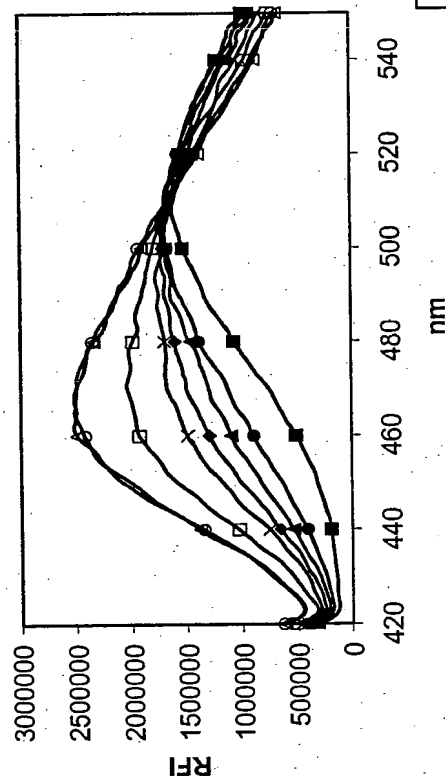


Fig 10 A

FACI-53 in response to C12-CoA

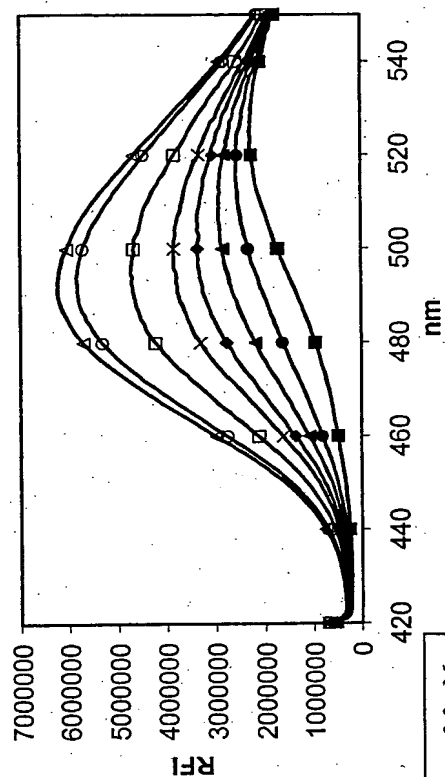
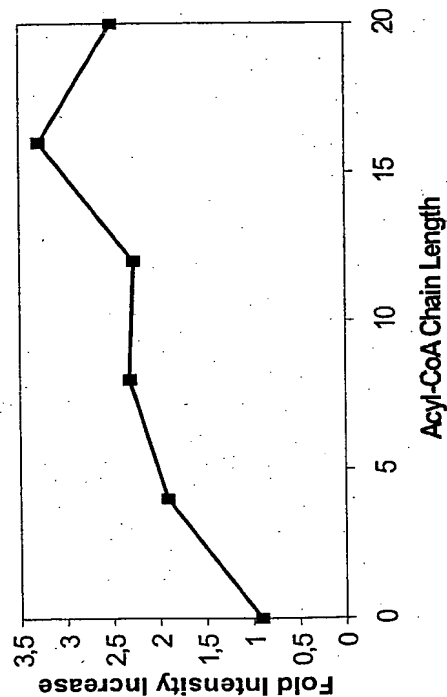


Fig. 10 B

Fig 10 C

M24C-badan response at 470 nm



A53C-badan response at 490 nm

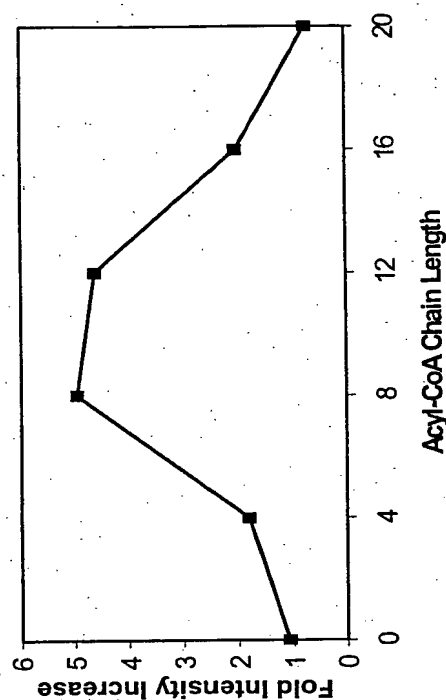
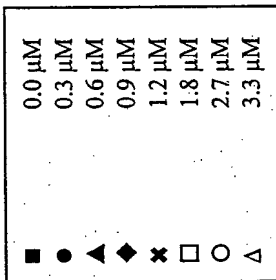


Fig. 10 D



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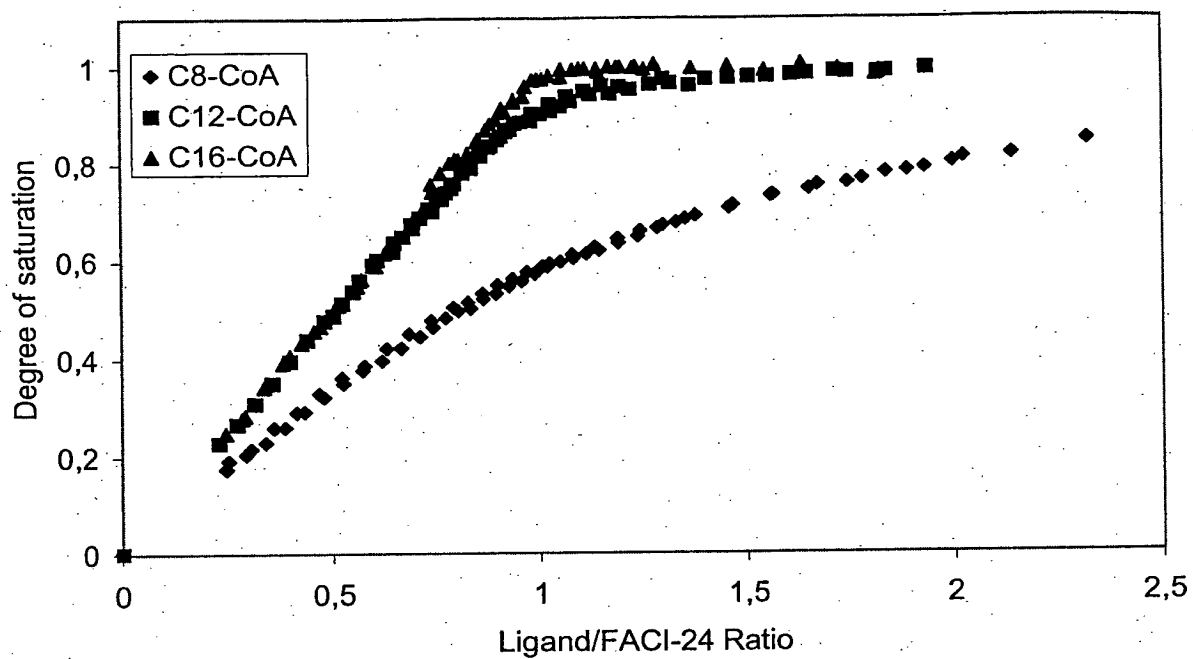


Fig. 11

Fold Fluorescence Increase at 460 nm

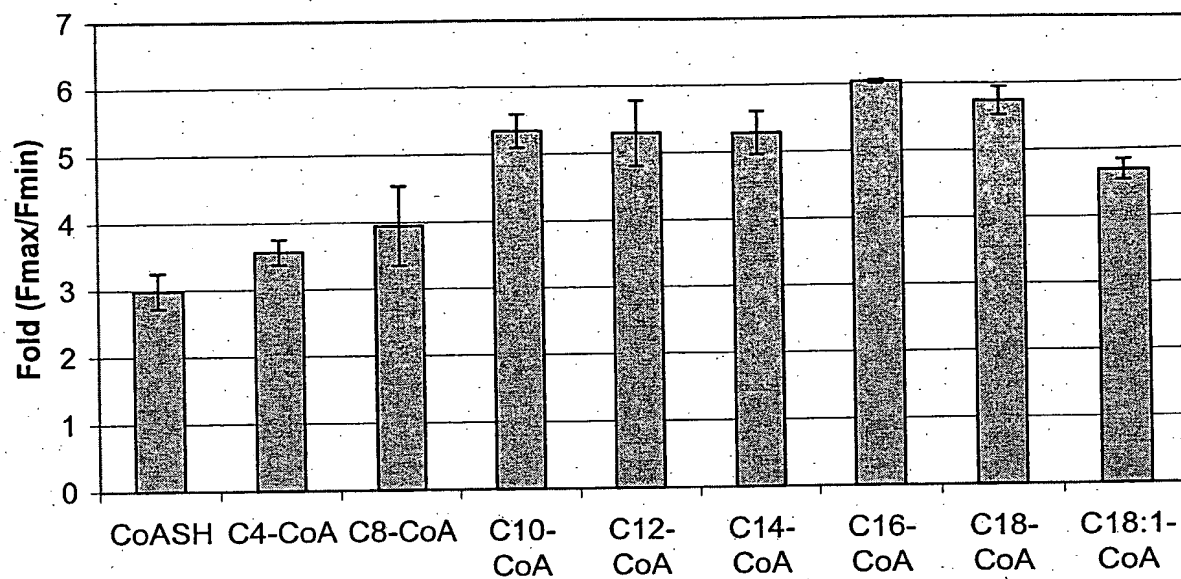


fig. 12

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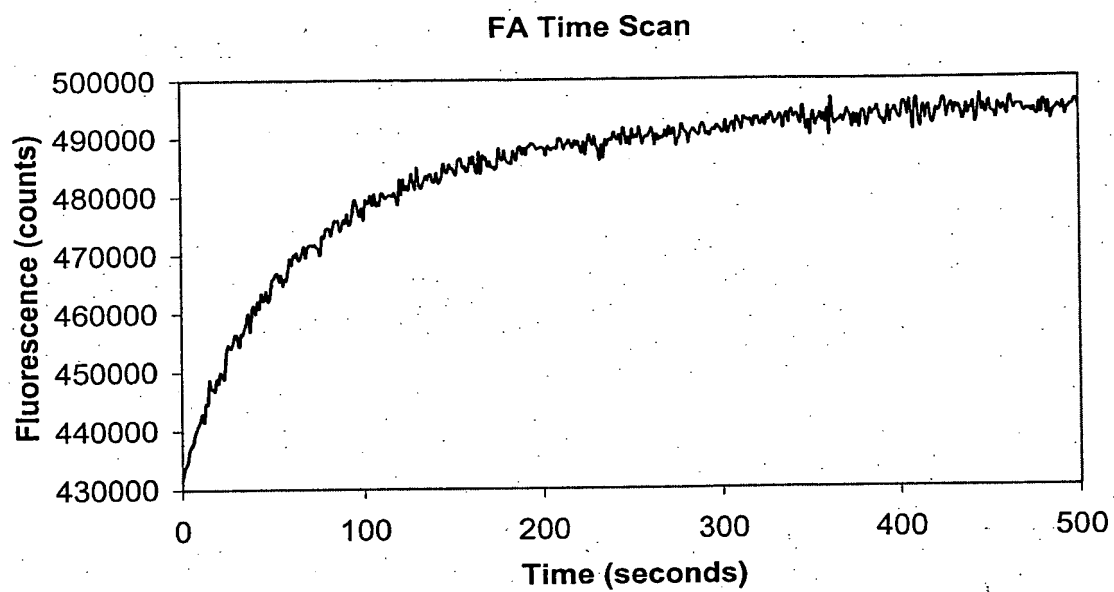


Fig. 13

Fig. 15